

Appendix Test Data

Report No.:	18220WC20050403	Test Sample No.:	1-2-2
Start Test Date:	2022.3.21	Finish Test Date:	2022.4.12
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	22.6C°	Relative Humidity:	54.9 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.120	2407.440	2416.560	≥0.5	PASS
		2437	8.680	2432.920	2441.600	≥0.5	PASS
		2462	9.160	2457.400	2466.560	≥0.5	PASS
11G	Ant1	2412	16.520	2403.760	2420.280	≥0.5	PASS
		2437	16.560	2428.760	2445.320	≥0.5	PASS
		2462	16.400	2453.800	2470.200	≥0.5	PASS
11N20	Ant1	2412	17.680	2403.160	2420.840	≥0.5	PASS
		2437	17.680	2428.160	2445.840	≥0.5	PASS
		2462	17.720	2453.120	2470.840	≥0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



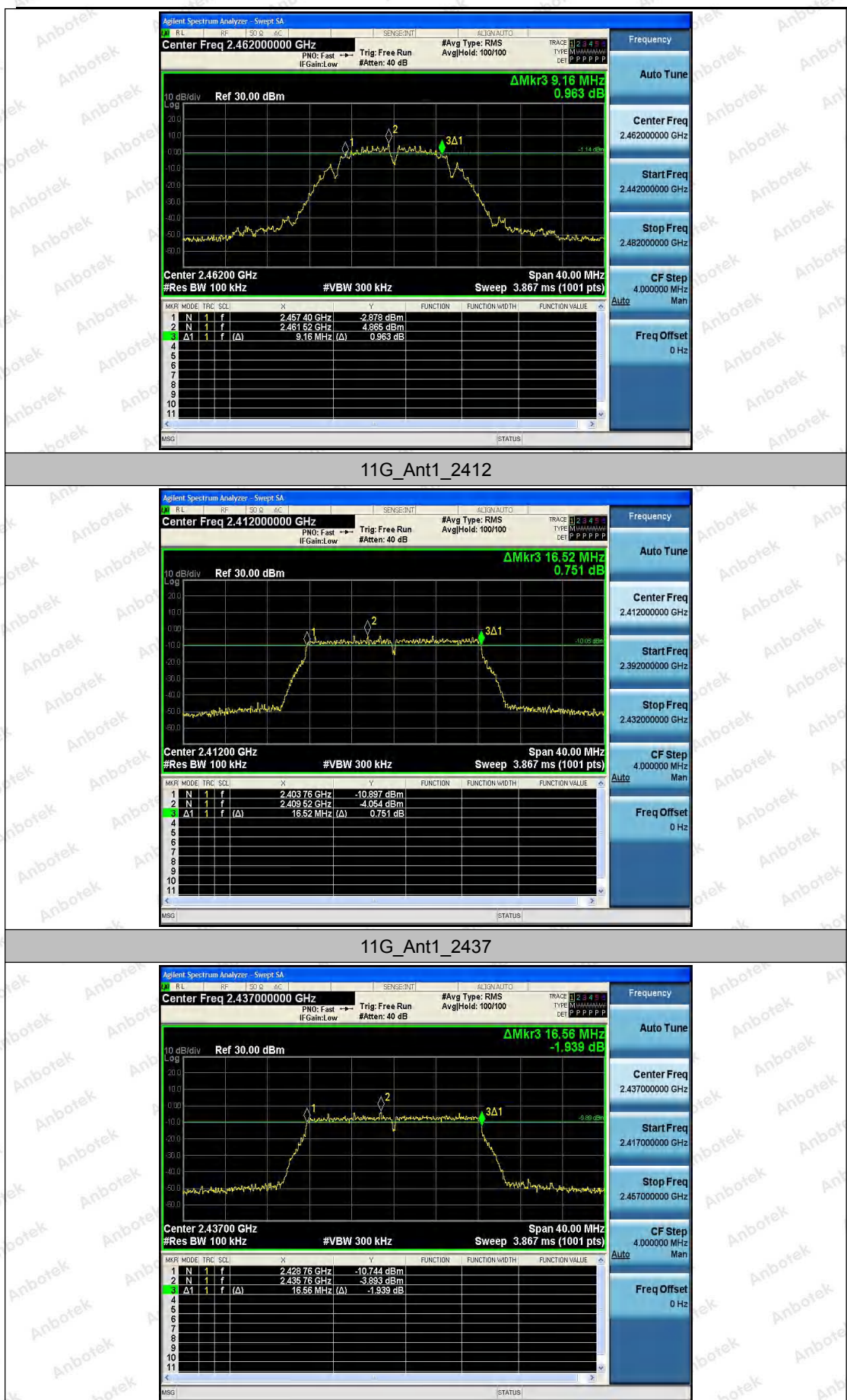
11B_Ant1_2462

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11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437

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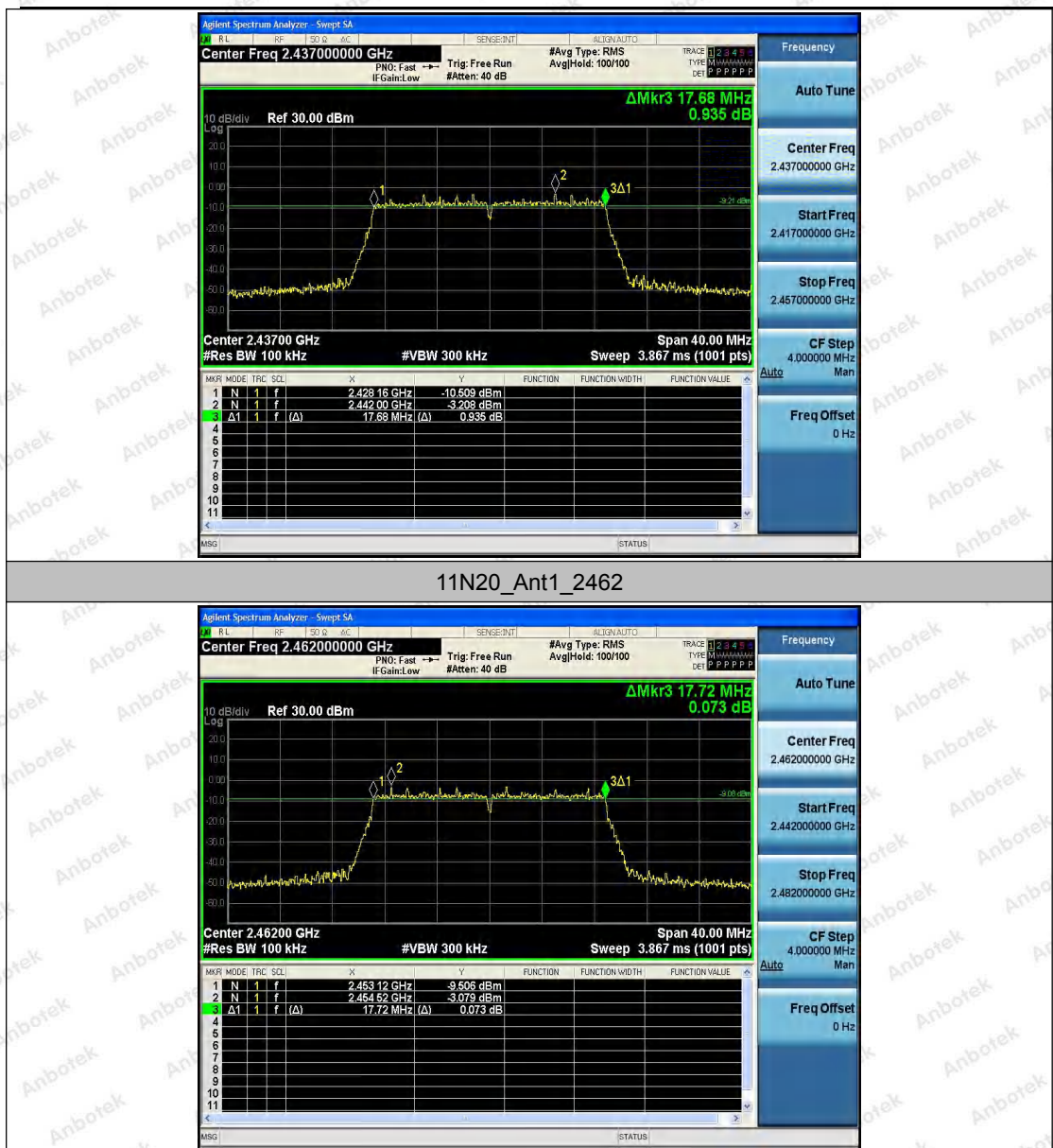
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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.377	2405.878	2418.255	---	PASS
		2437	12.312	2430.910	2443.222	---	PASS
		2462	12.327	2455.848	2468.175	---	PASS
11G	Ant1	2412	17.153	2403.507	2420.660	---	PASS
		2437	17.047	2428.549	2445.596	---	PASS
		2462	17.159	2453.401	2470.560	---	PASS
11N20	Ant1	2412	17.977	2403.052	2421.029	---	PASS
		2437	17.903	2428.087	2445.990	---	PASS
		2462	17.960	2453.042	2471.002	---	PASS

Test Graphs



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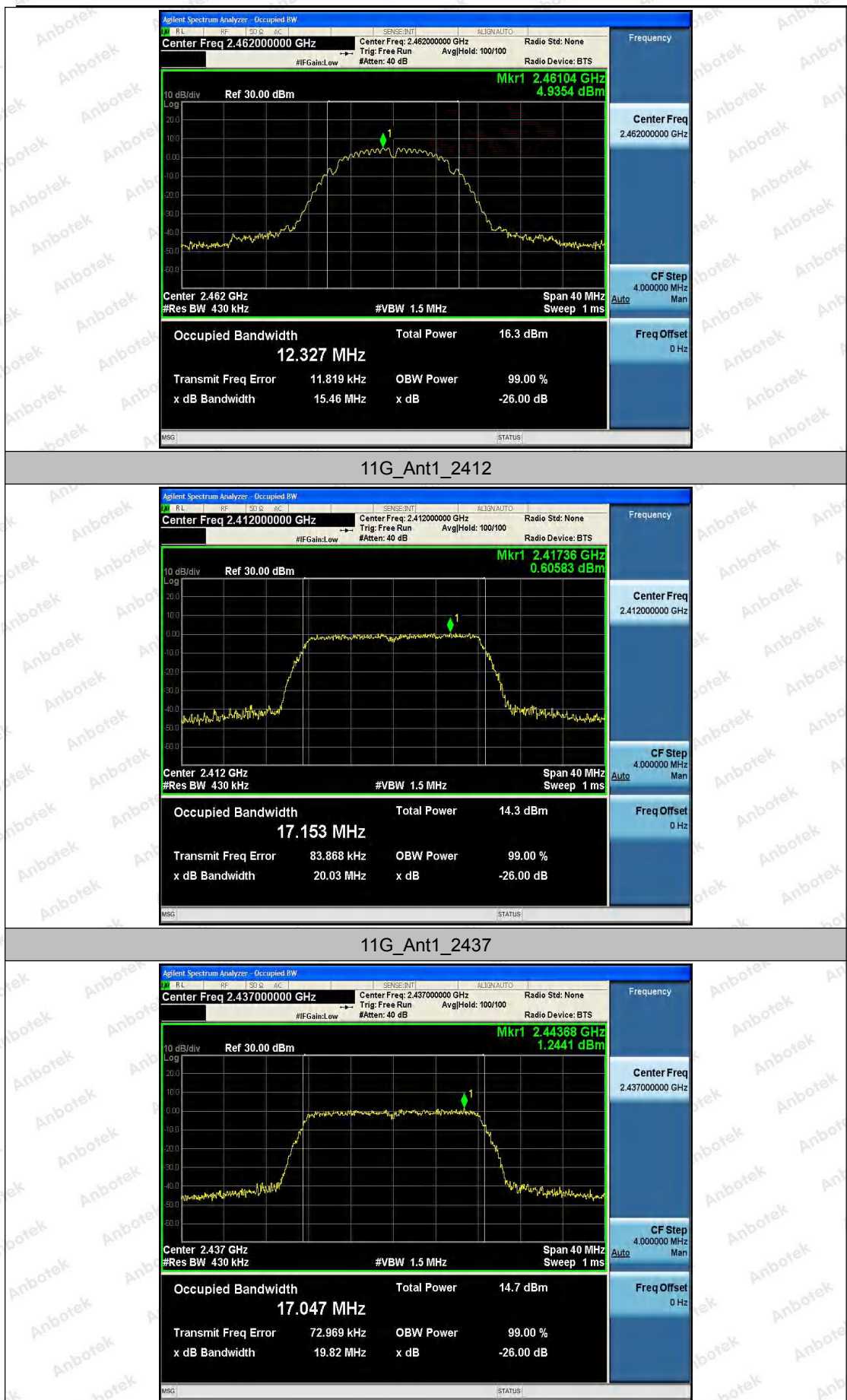
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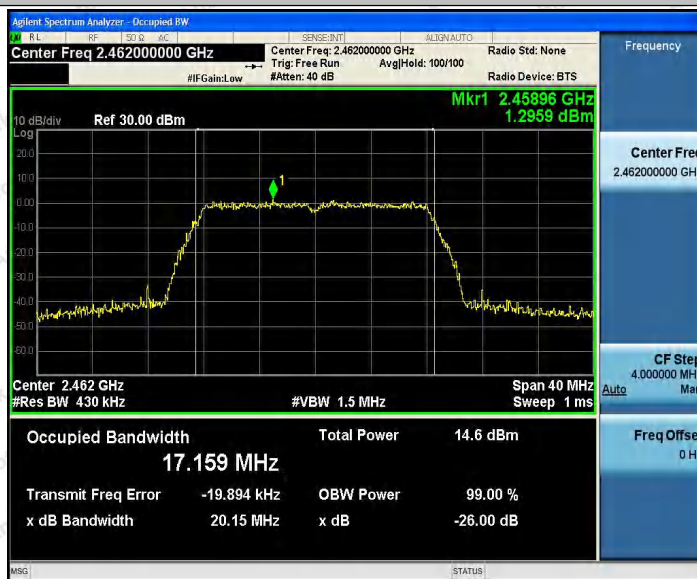
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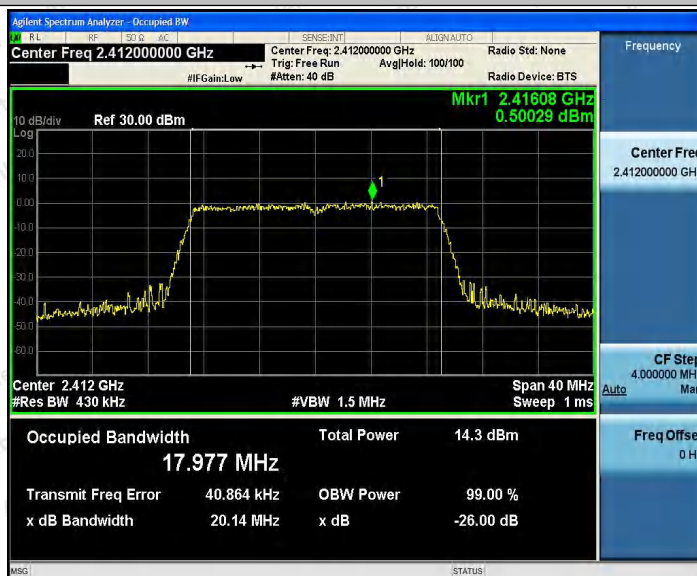
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11G_Ant1_2462



11N20_Ant1_2412



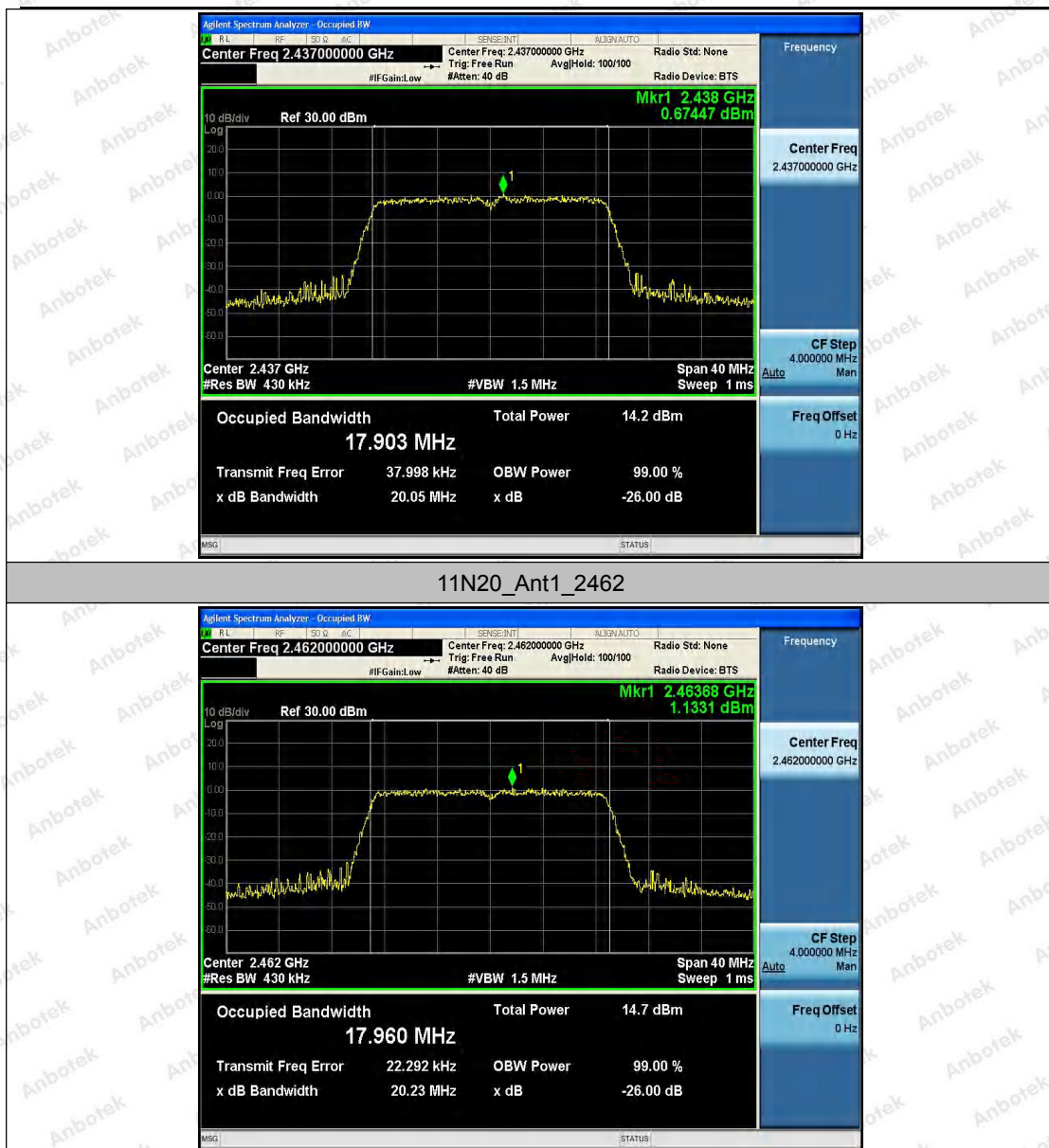
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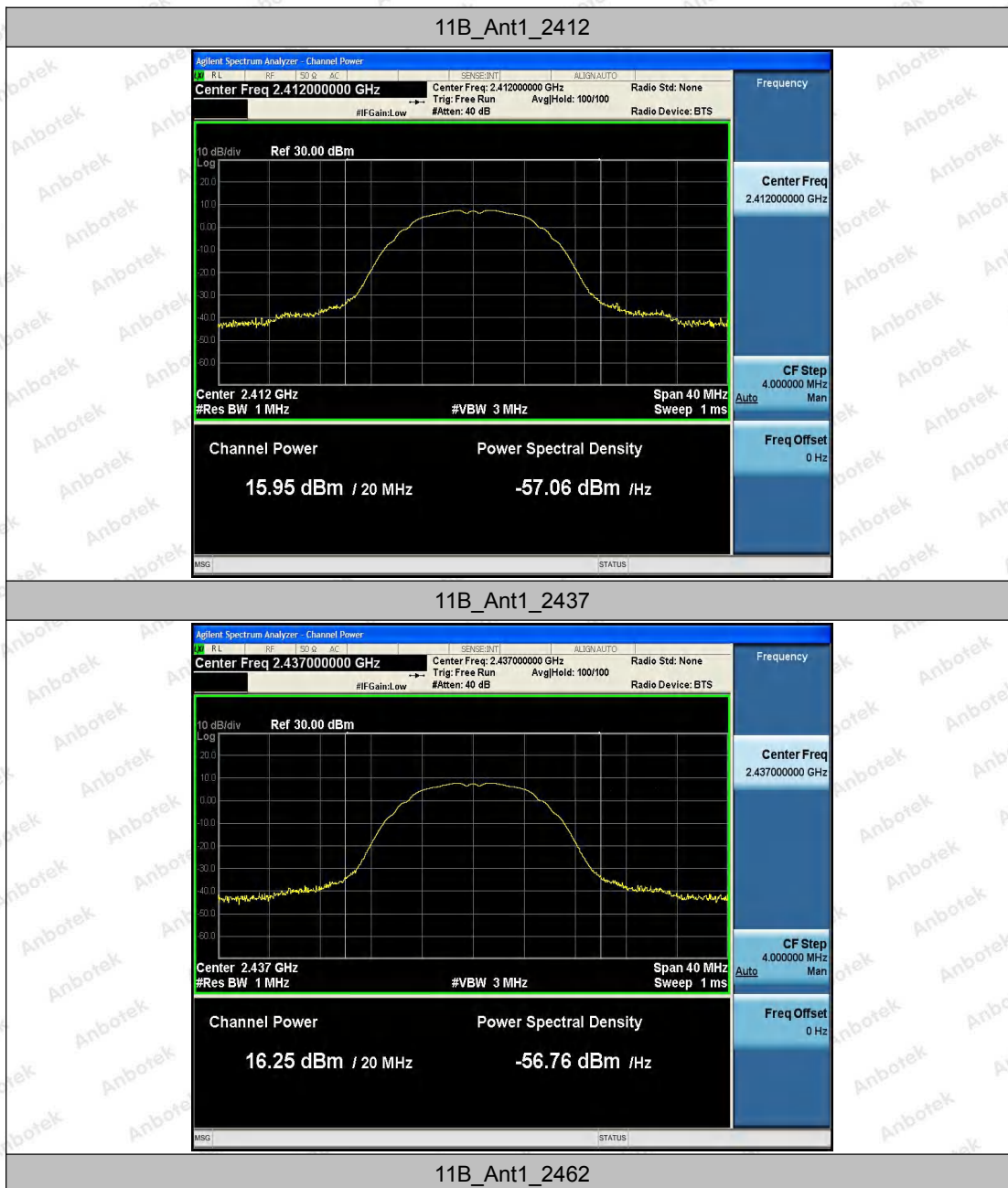
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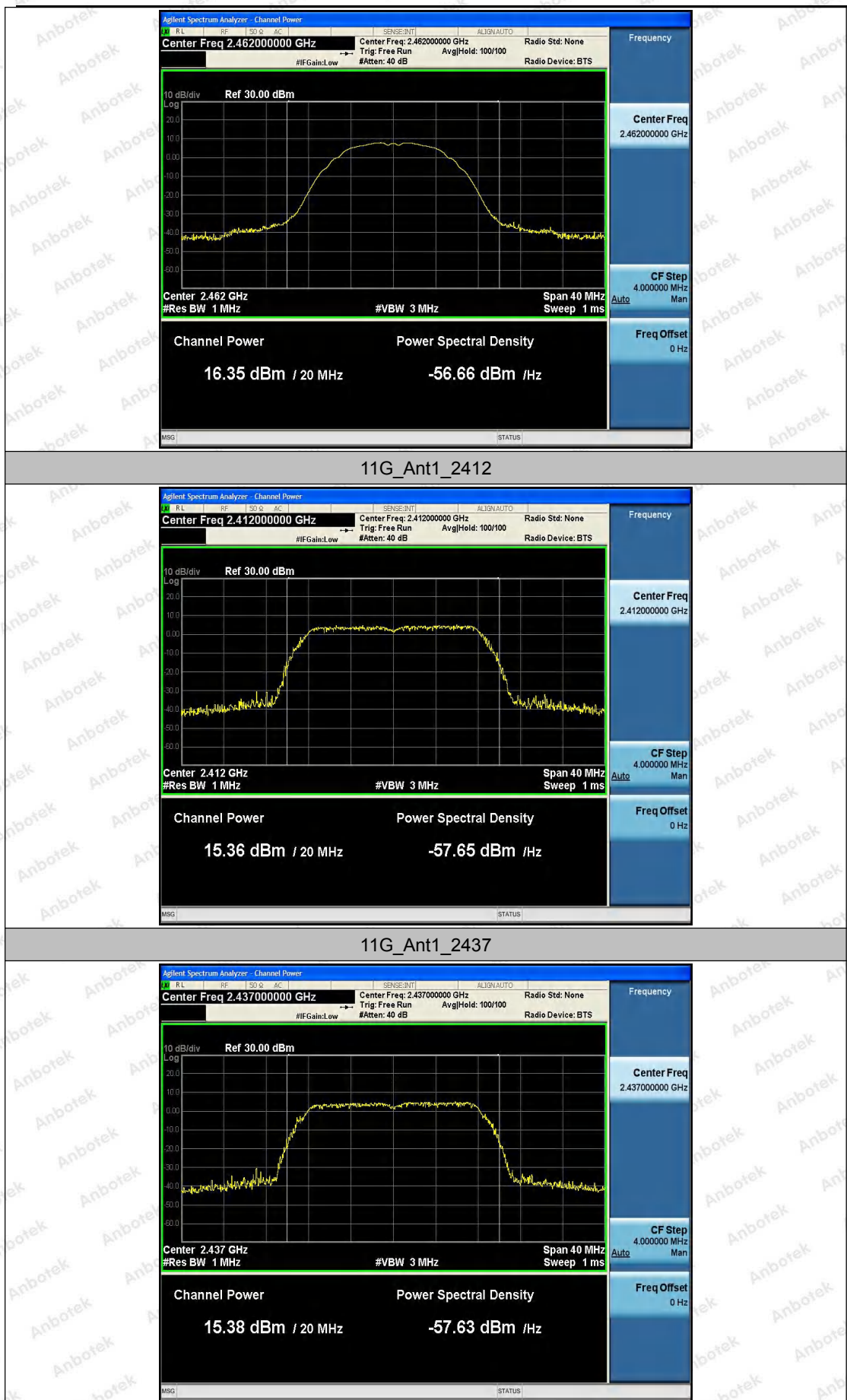
Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.95	≤30	PASS
		2437	16.25	≤30	PASS
		2462	16.35	≤30	PASS
11G	Ant1	2412	15.36	≤30	PASS
		2437	15.38	≤30	PASS
		2462	15.77	≤30	PASS
11N20	Ant1	2412	15.43	≤30	PASS
		2437	15.41	≤30	PASS
		2462	15.78	≤30	PASS

Test Graphs





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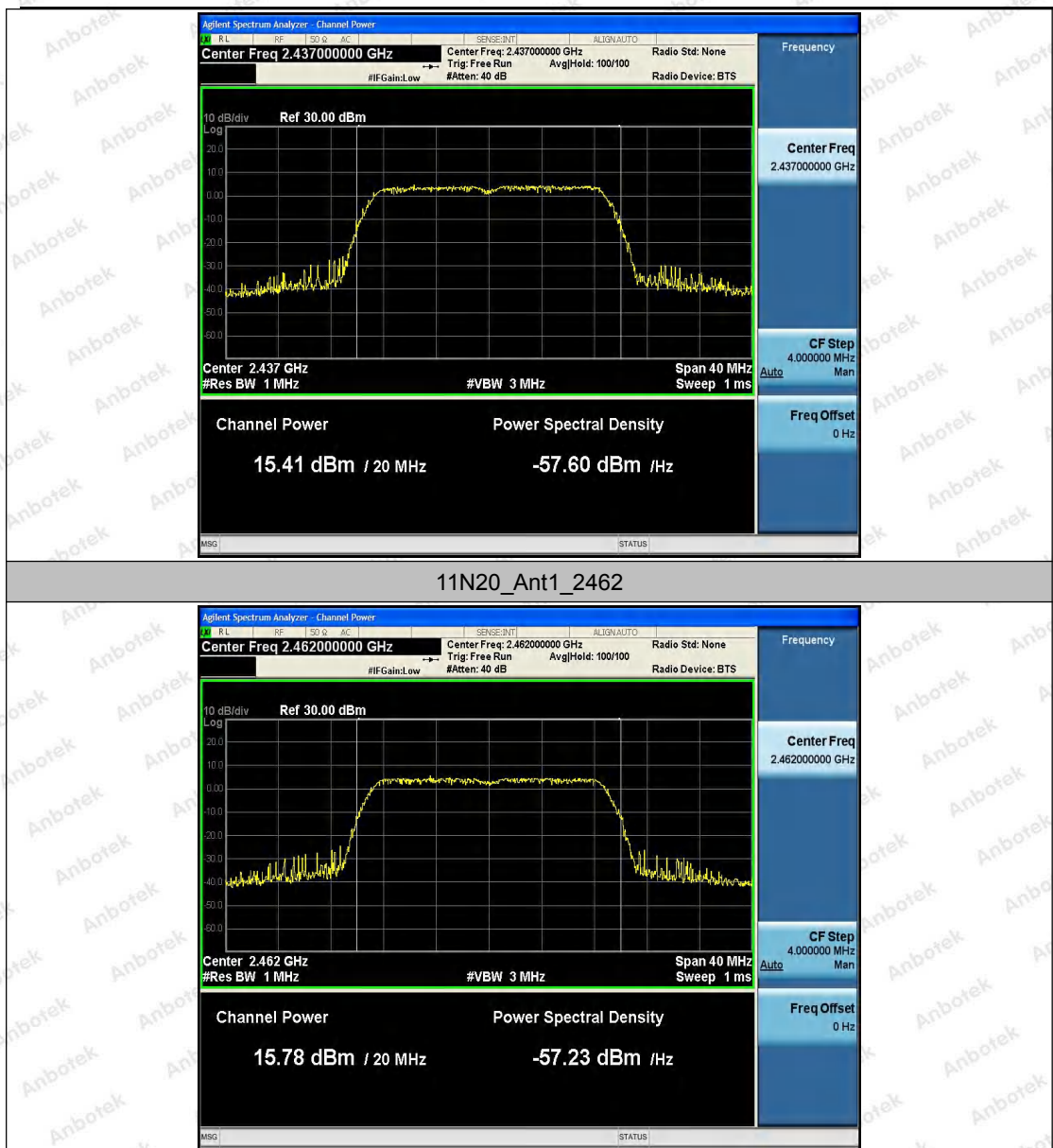
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



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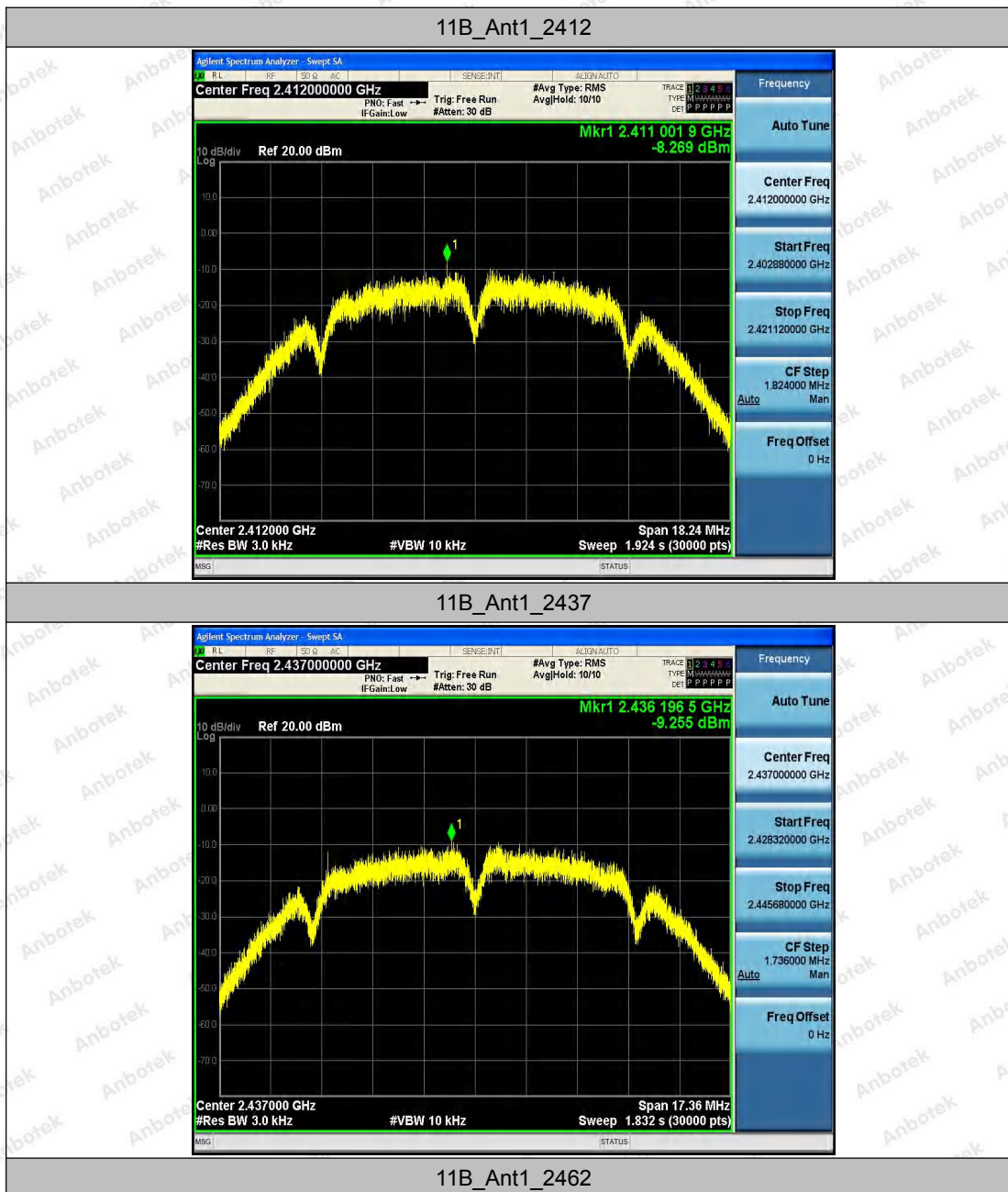
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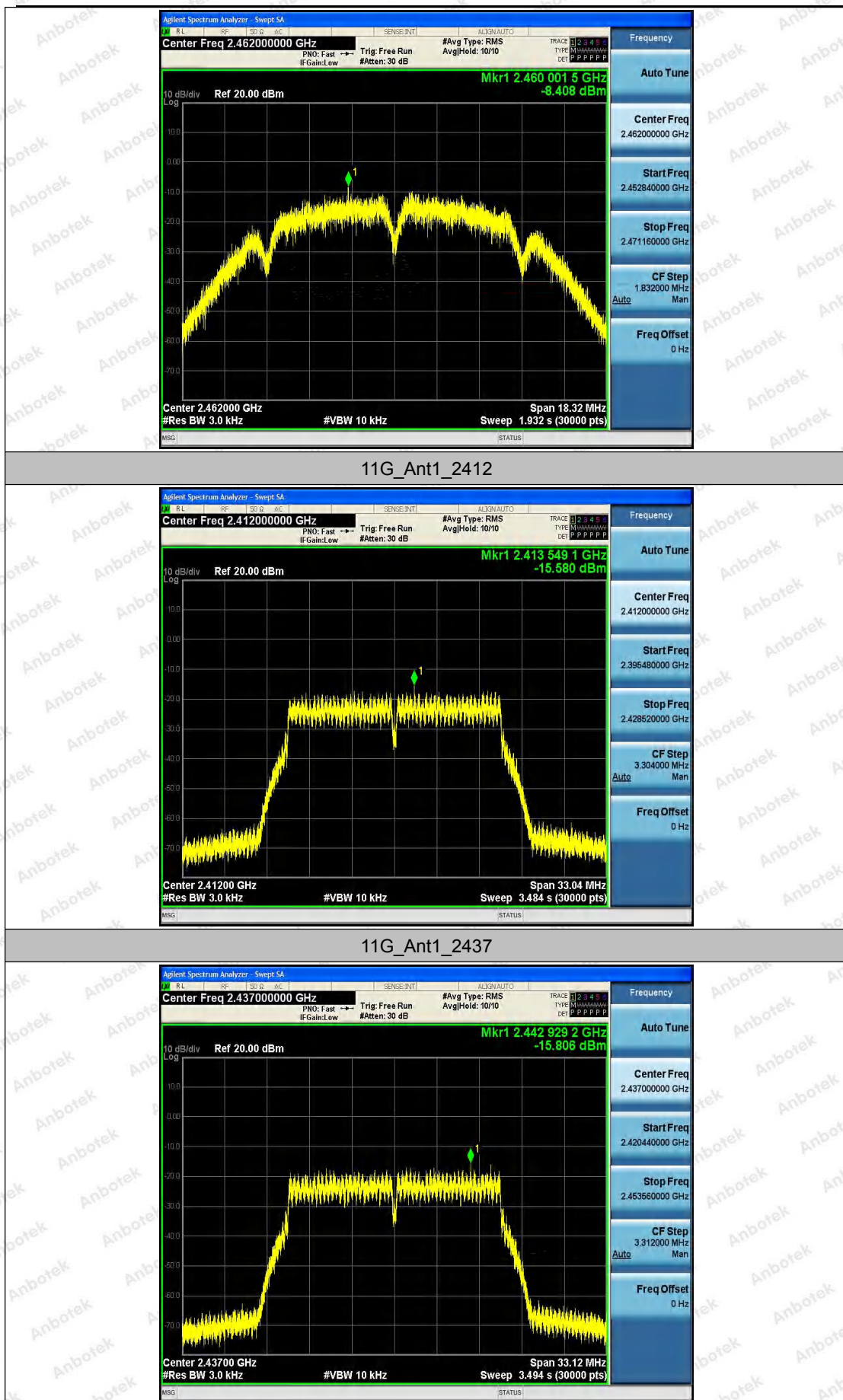
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.27	≤8	PASS
		2437	-9.26	≤8	PASS
		2462	-8.41	≤8	PASS
11G	Ant1	2412	-15.58	≤8	PASS
		2437	-15.81	≤8	PASS
		2462	-16.23	≤8	PASS
11N20	Ant1	2412	-16.11	≤8	PASS
		2437	-17.1	≤8	PASS
		2462	-14.85	≤8	PASS

Test Graphs





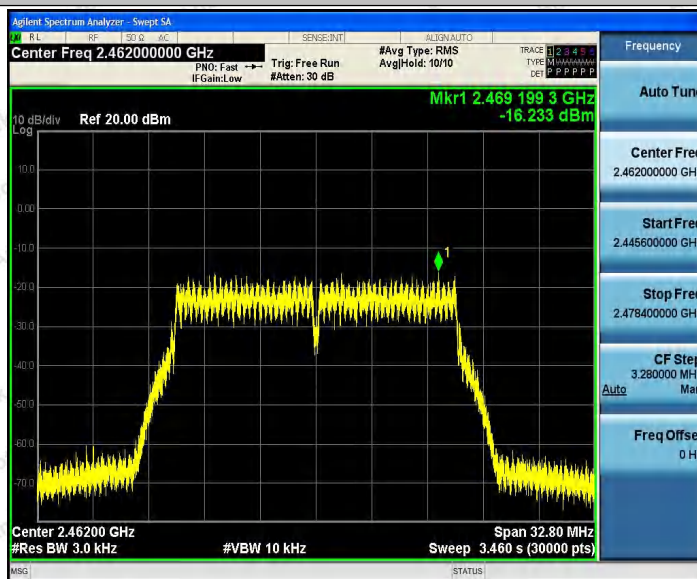
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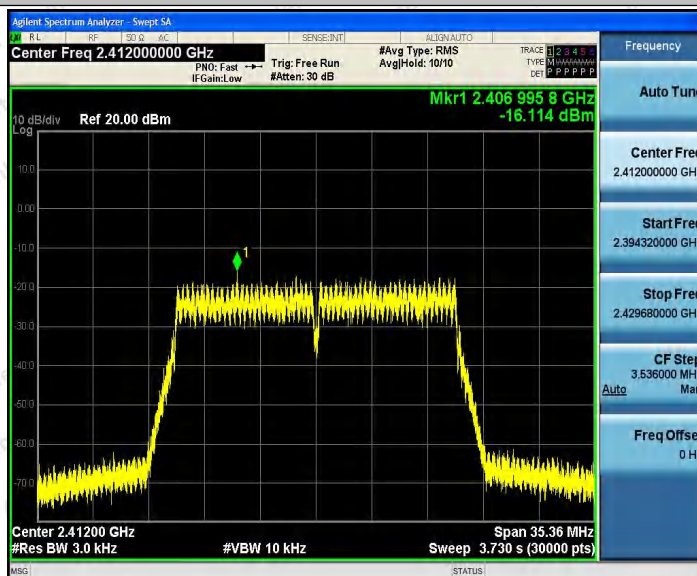
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11G_Ant1_2462



11N20_Ant1_2412



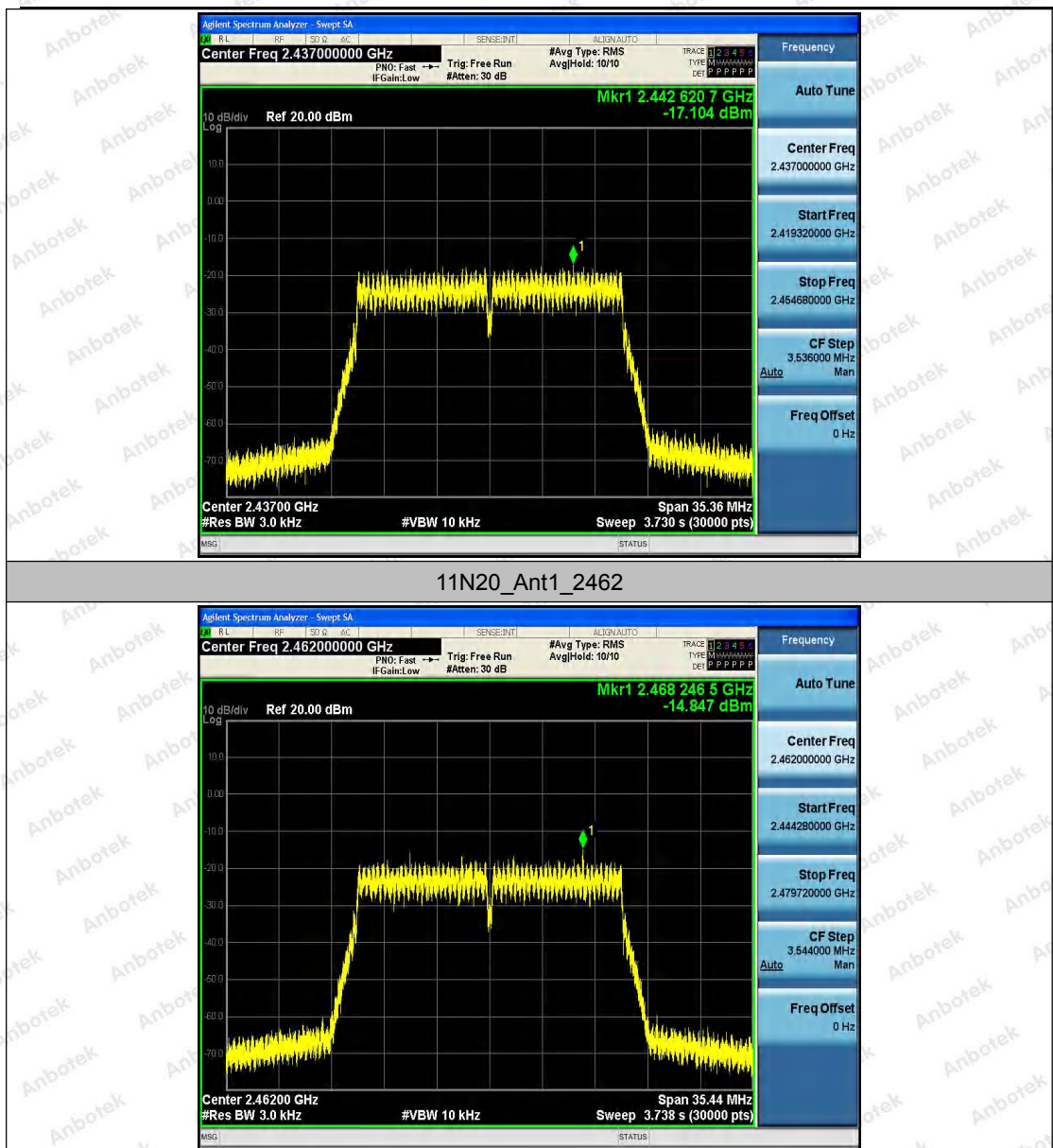
11N20_Ant1_2437

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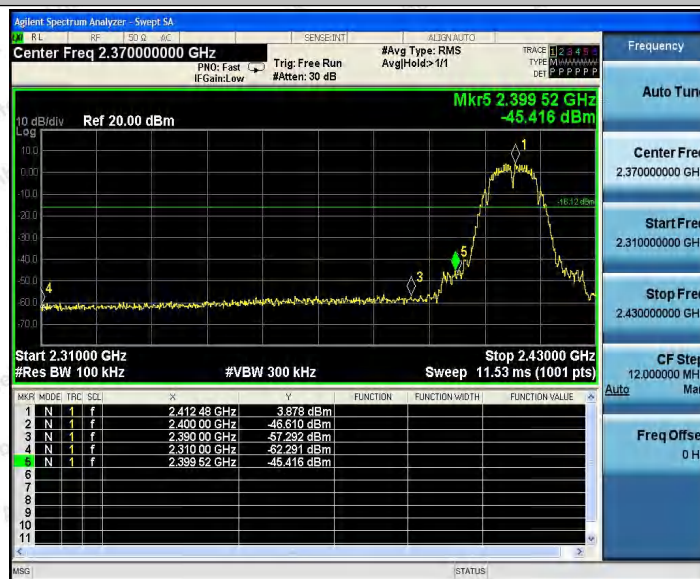
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.88	-45.42	≤-16.12	PASS
		High	2462	4.78	-53.51	≤-15.23	PASS
11G	Ant1	Low	2412	-3.45	-45.87	≤-23.45	PASS
		High	2462	-2.76	-53.5	≤-22.76	PASS
11N20	Ant1	Low	2412	-2.70	-45.5	≤-22.7	PASS
		High	2462	-2.35	-52.97	≤-22.35	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



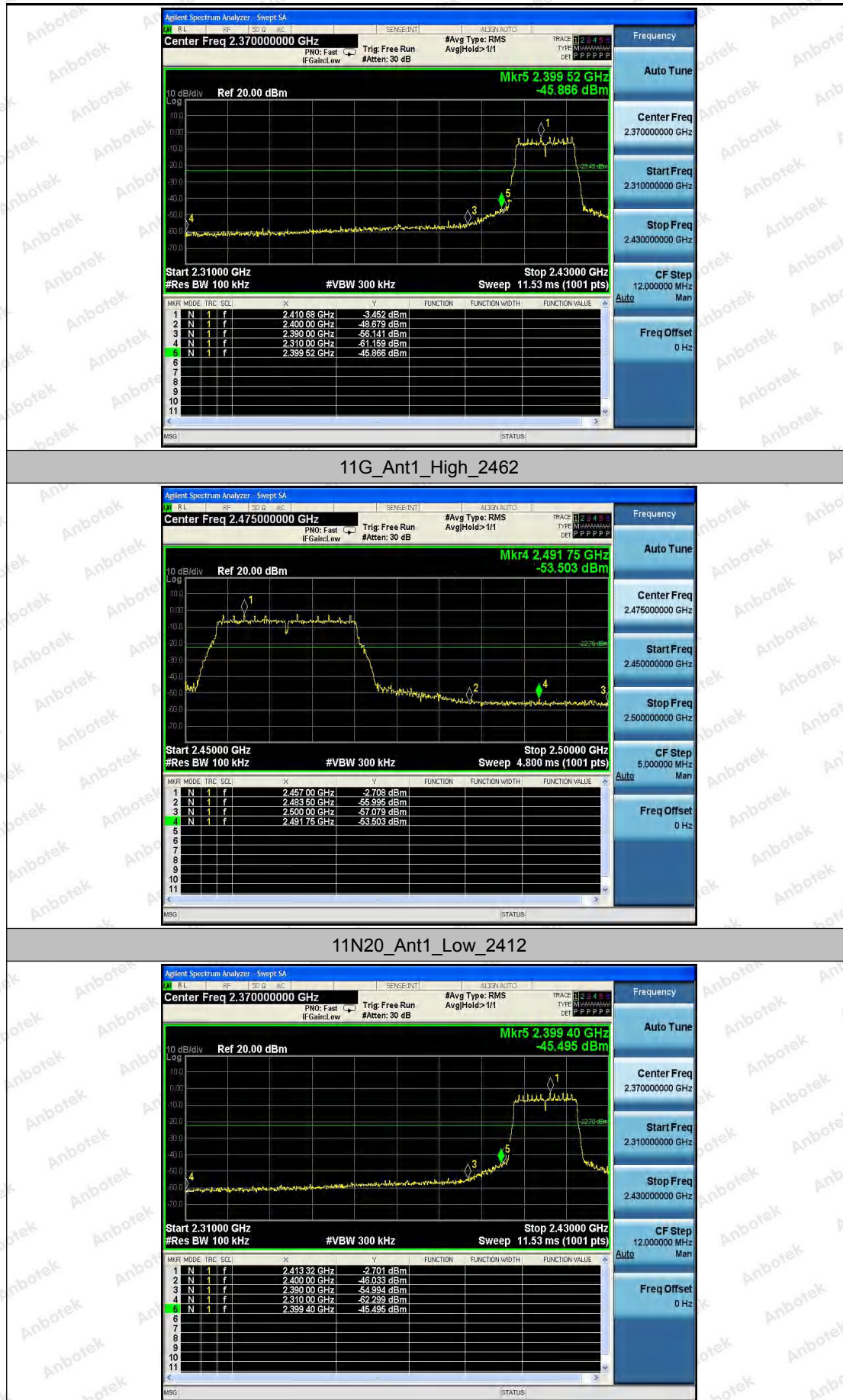
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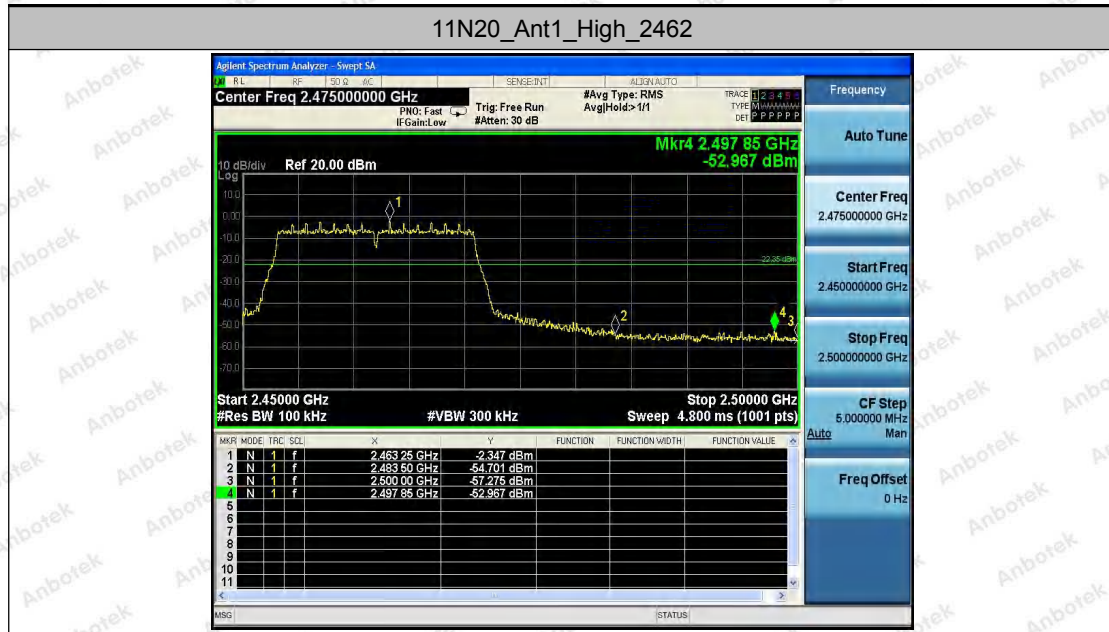


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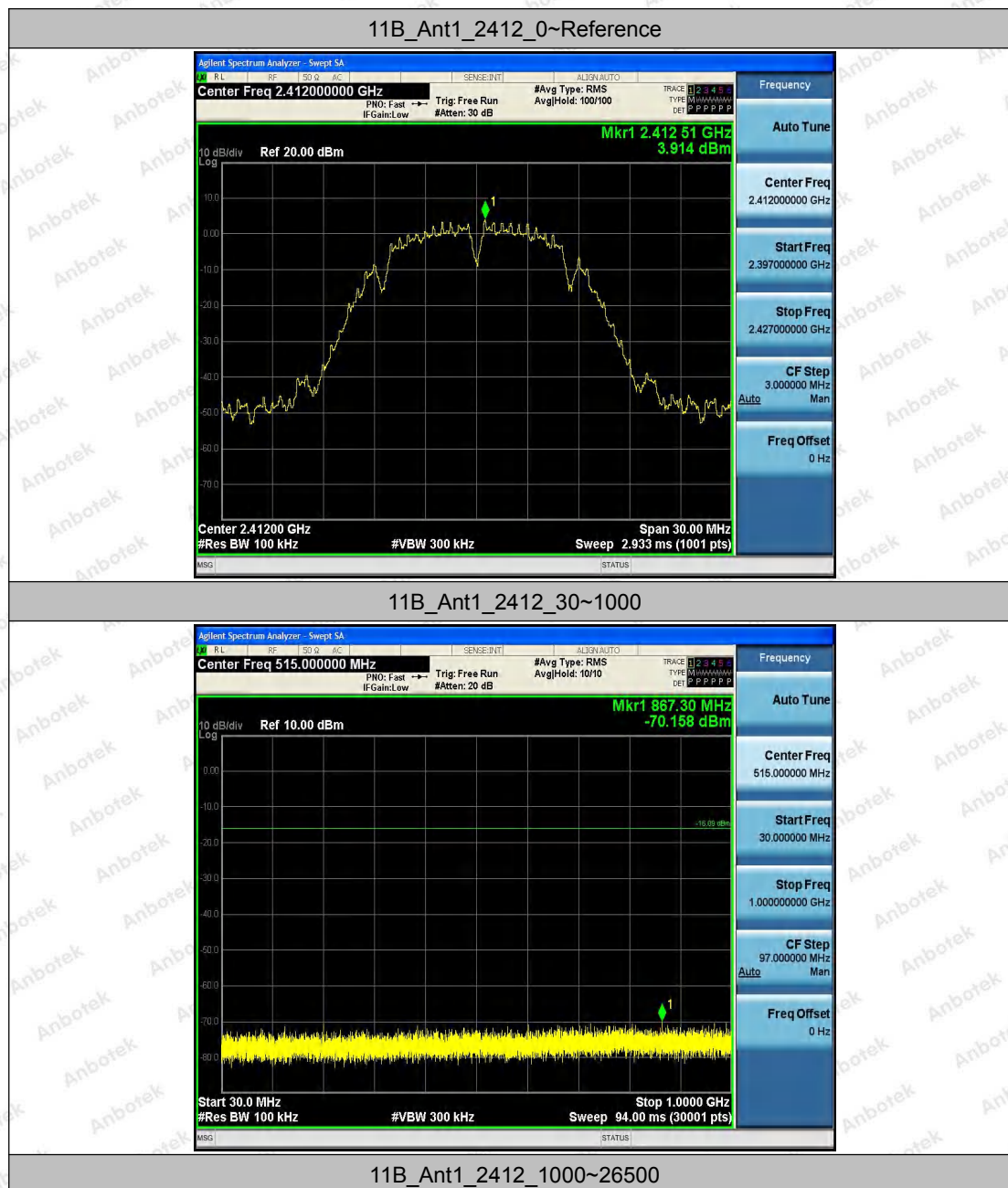
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Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.91	3.91	---	PASS
			30~1000	3.91	-70.16	≤-16.09	PASS
			1000~26500	3.91	-52.49	≤-16.09	PASS
		2437	Reference	3.79	3.79	---	PASS
			30~1000	3.79	-70.15	≤-16.21	PASS
			1000~26500	3.79	-54.34	≤-16.21	PASS
		2462	Reference	4.49	4.49	---	PASS
			30~1000	4.49	-70.72	≤-15.52	PASS
			1000~26500	4.49	-55.44	≤-15.52	PASS
11G	Ant1	2412	Reference	-3.30	-3.30	---	PASS
			30~1000	-3.30	-70.01	≤-23.3	PASS
			1000~26500	-3.30	-55.51	≤-23.3	PASS
		2437	Reference	-3.04	-3.04	---	PASS
			30~1000	-3.04	-70.17	≤-23.04	PASS
			1000~26500	-3.04	-55.55	≤-23.04	PASS
		2462	Reference	-2.32	-2.32	---	PASS
			30~1000	-2.32	-70.53	≤-22.32	PASS
			1000~26500	-2.32	-55.55	≤-22.32	PASS
11N20	Ant1	2412	Reference	-2.82	-2.82	---	PASS
			30~1000	-2.82	-69.95	≤-22.82	PASS
			1000~26500	-2.82	-54.5	≤-22.82	PASS
		2437	Reference	-3.54	-3.54	---	PASS
			30~1000	-3.54	-69.66	≤-23.54	PASS
			1000~26500	-3.54	-54.49	≤-23.54	PASS
		2462	Reference	-2.38	-2.38	---	PASS
			30~1000	-2.38	-69.25	≤-22.38	PASS
			1000~26500	-2.38	-55.63	≤-22.38	PASS

Test Graphs

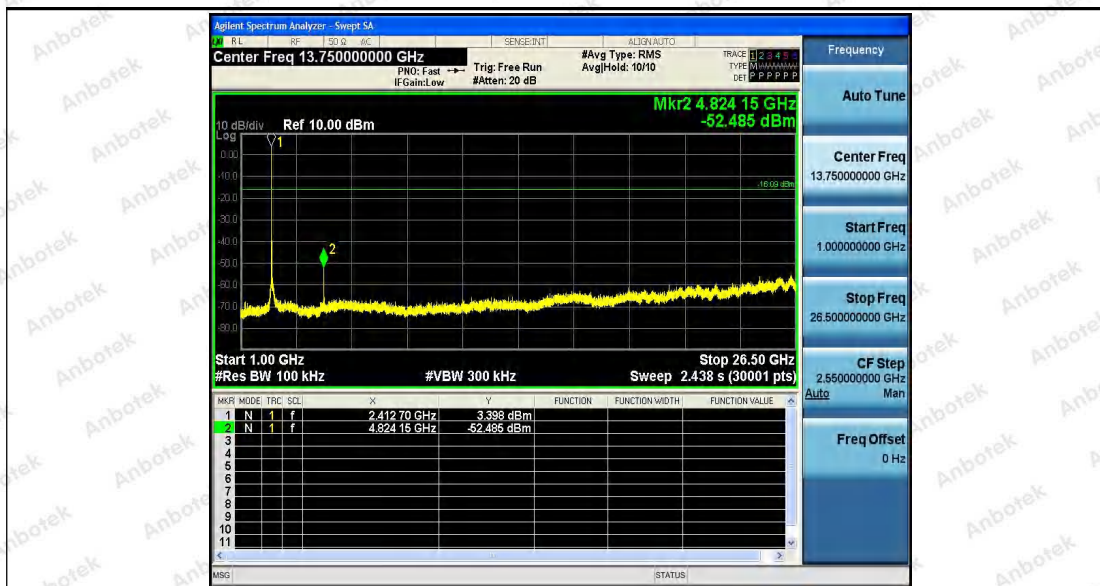


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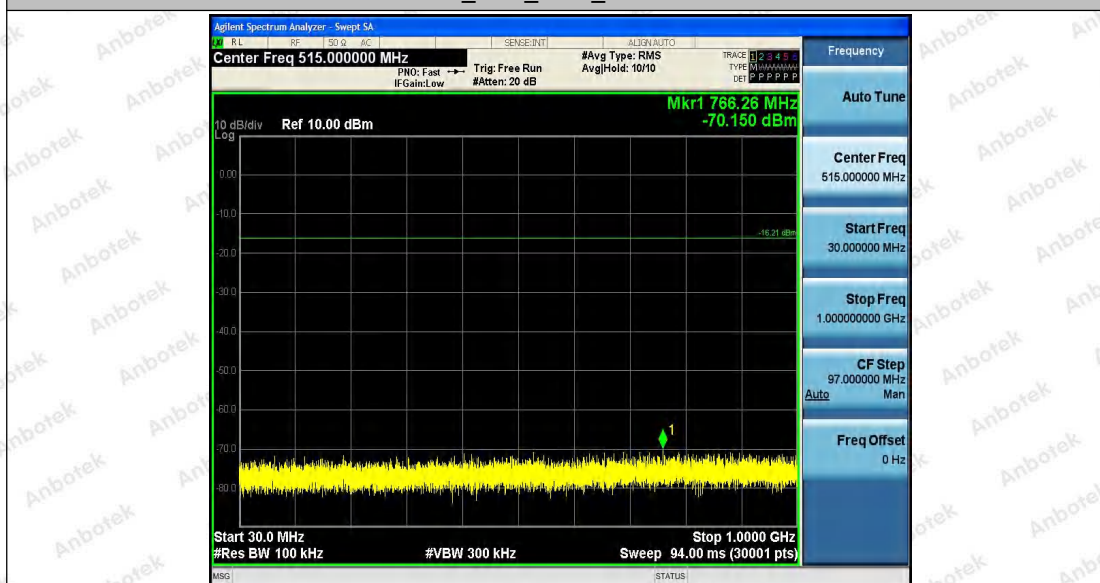
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11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



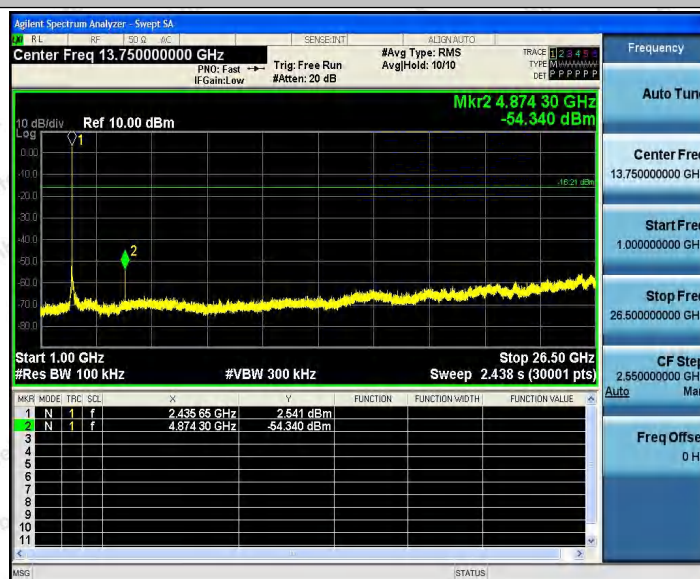
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



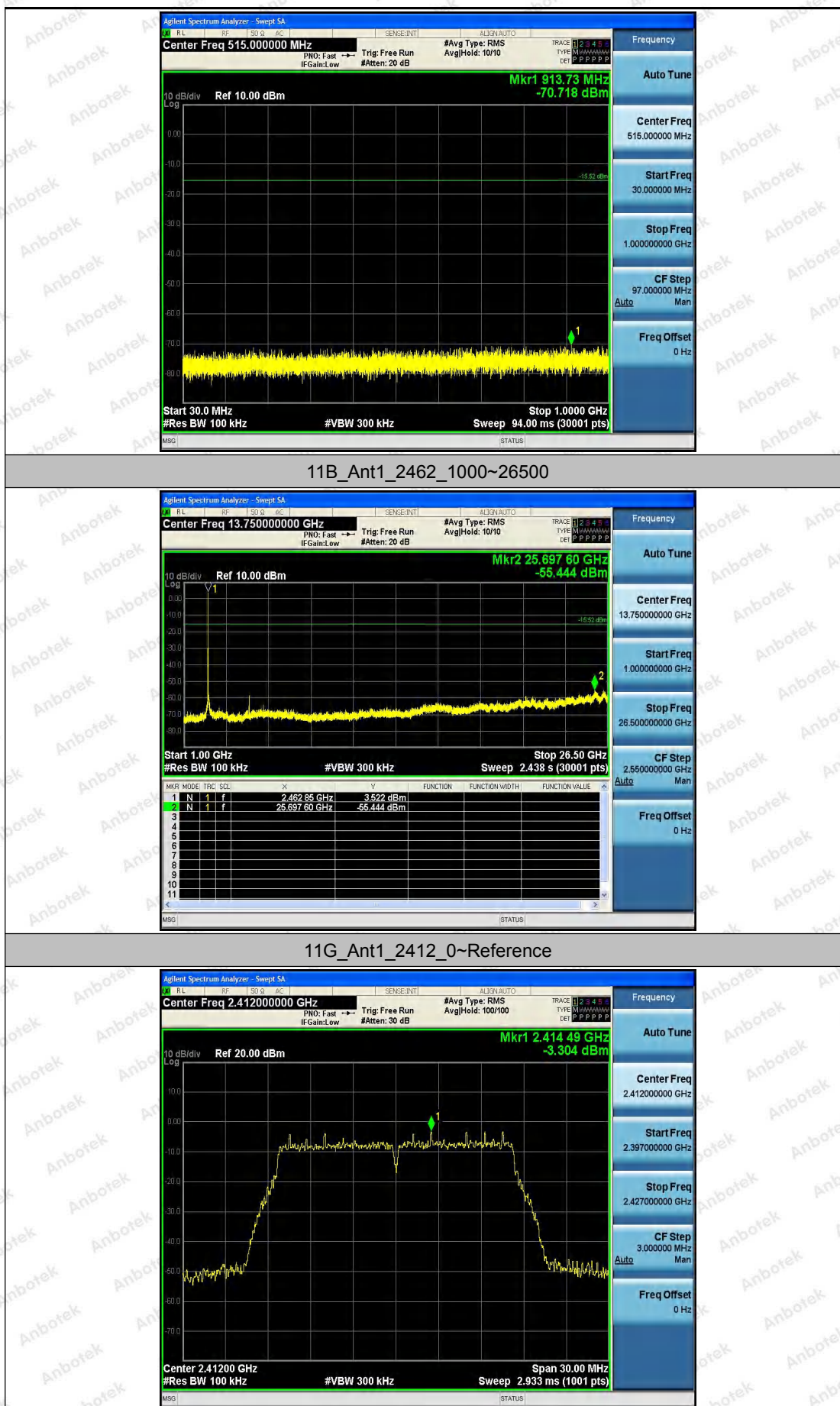
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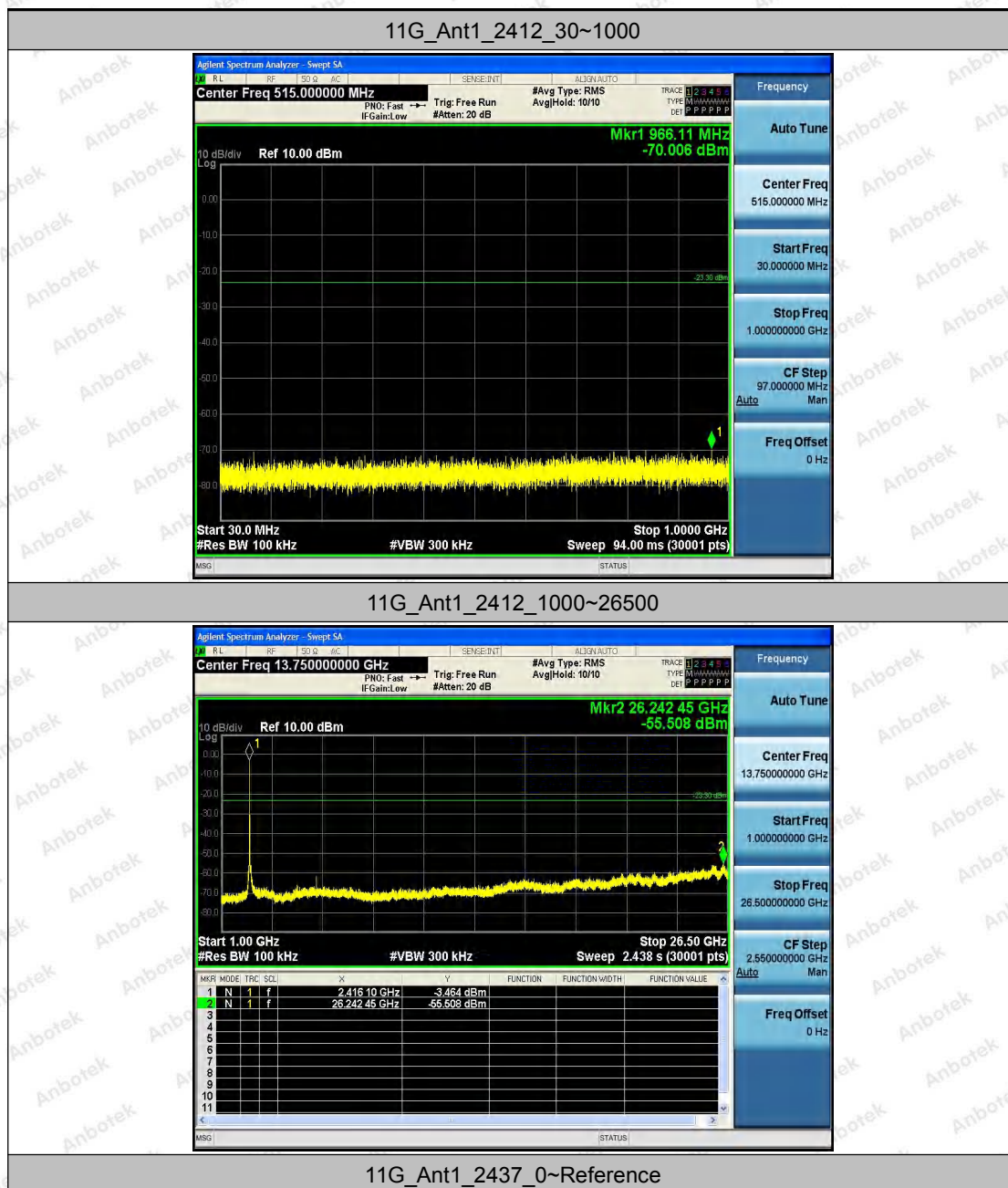


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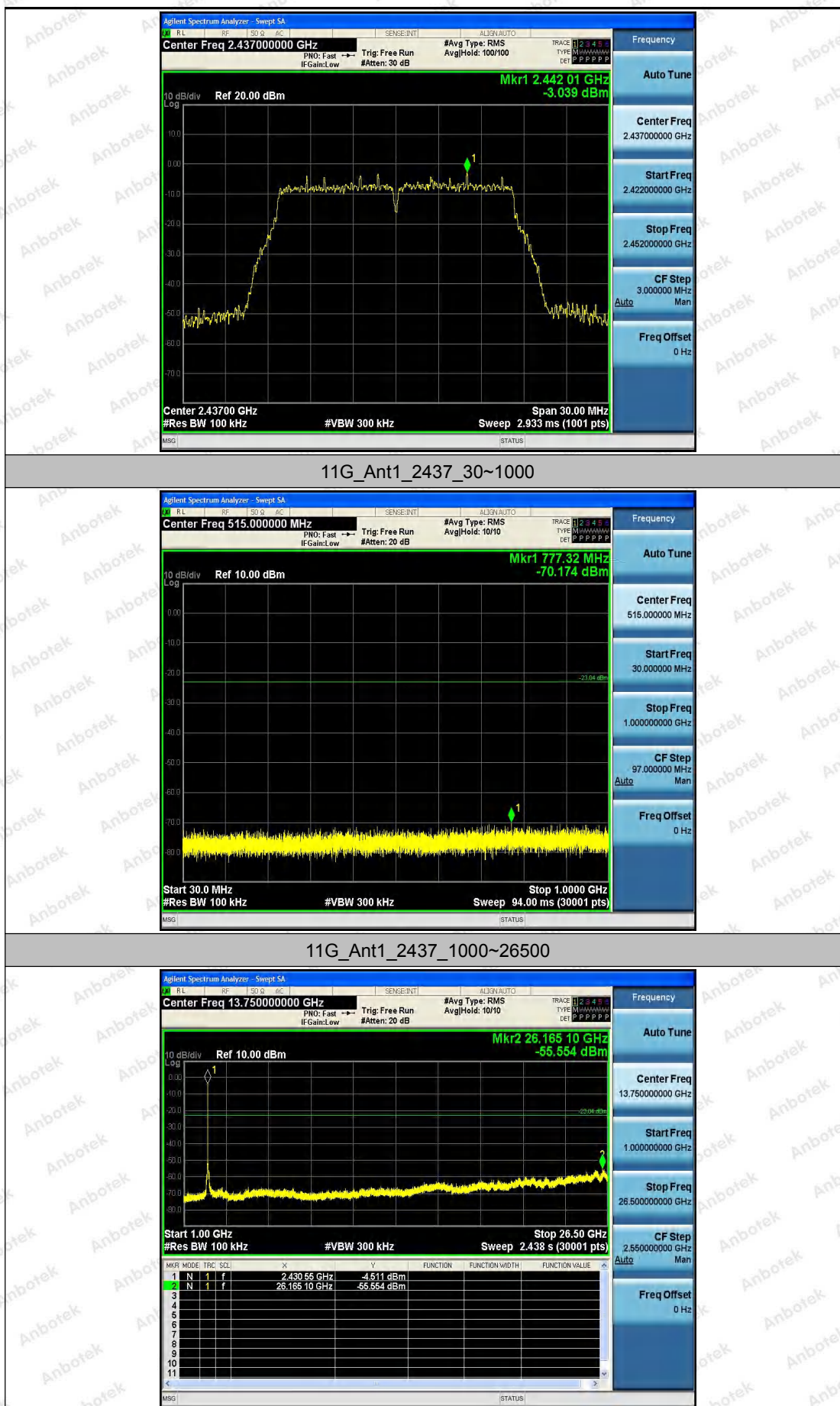


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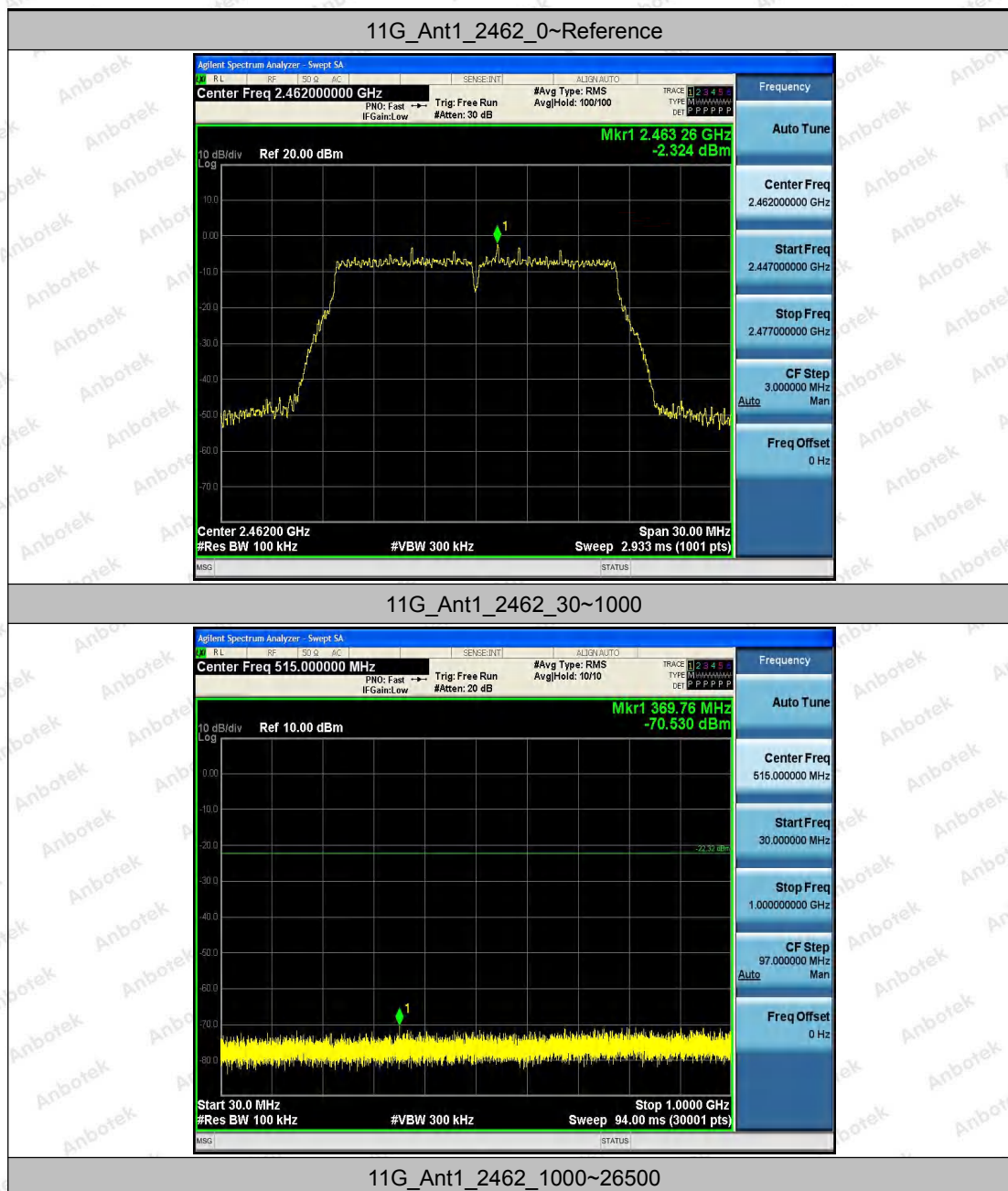
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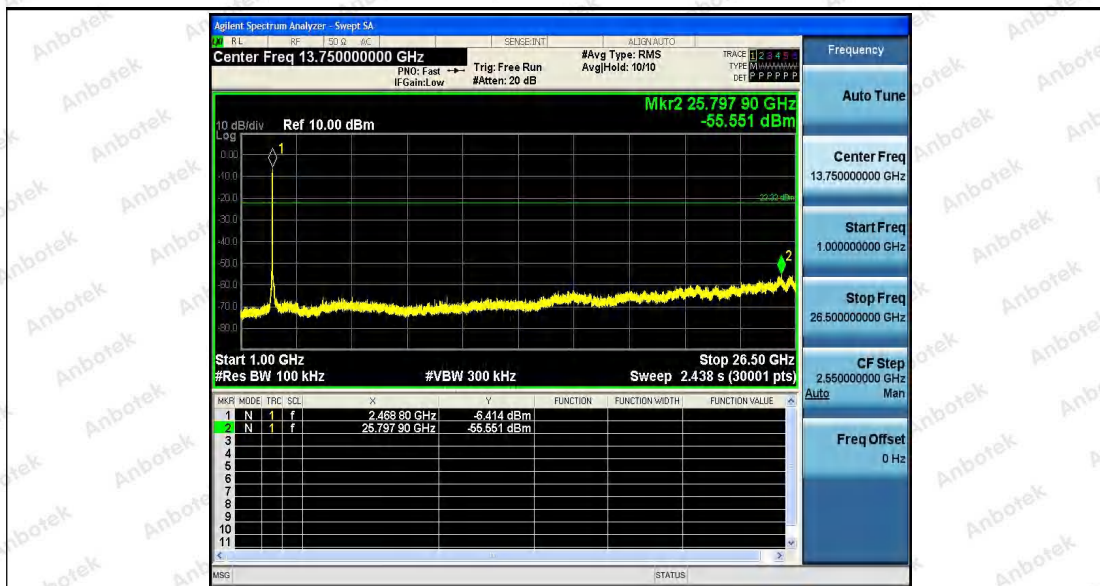


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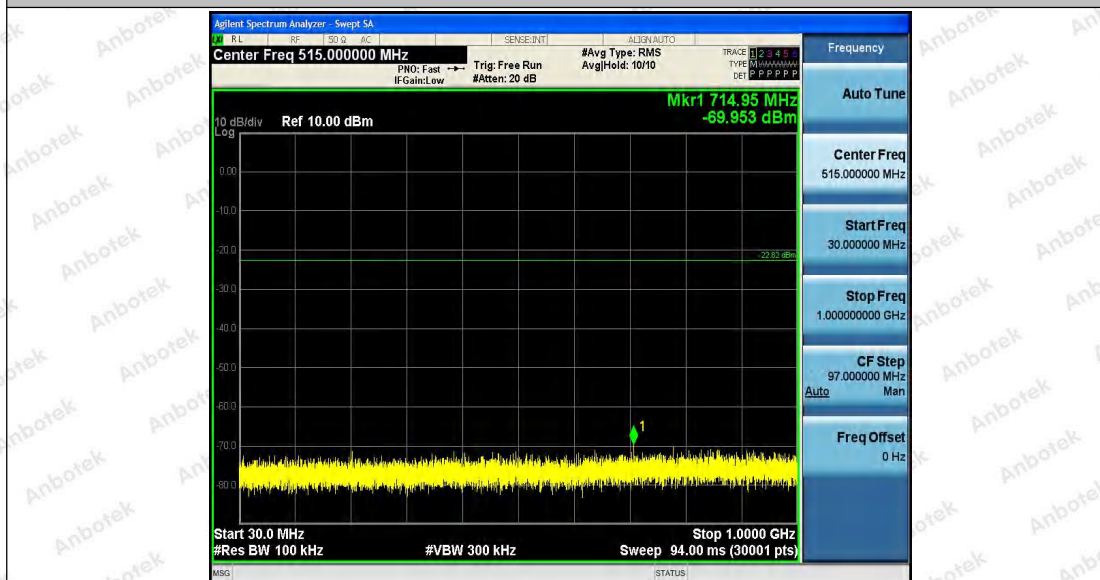




11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000



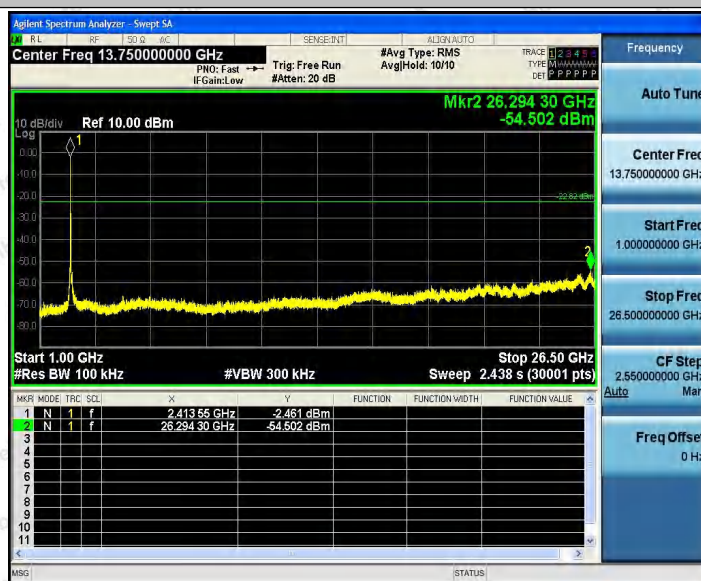
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11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



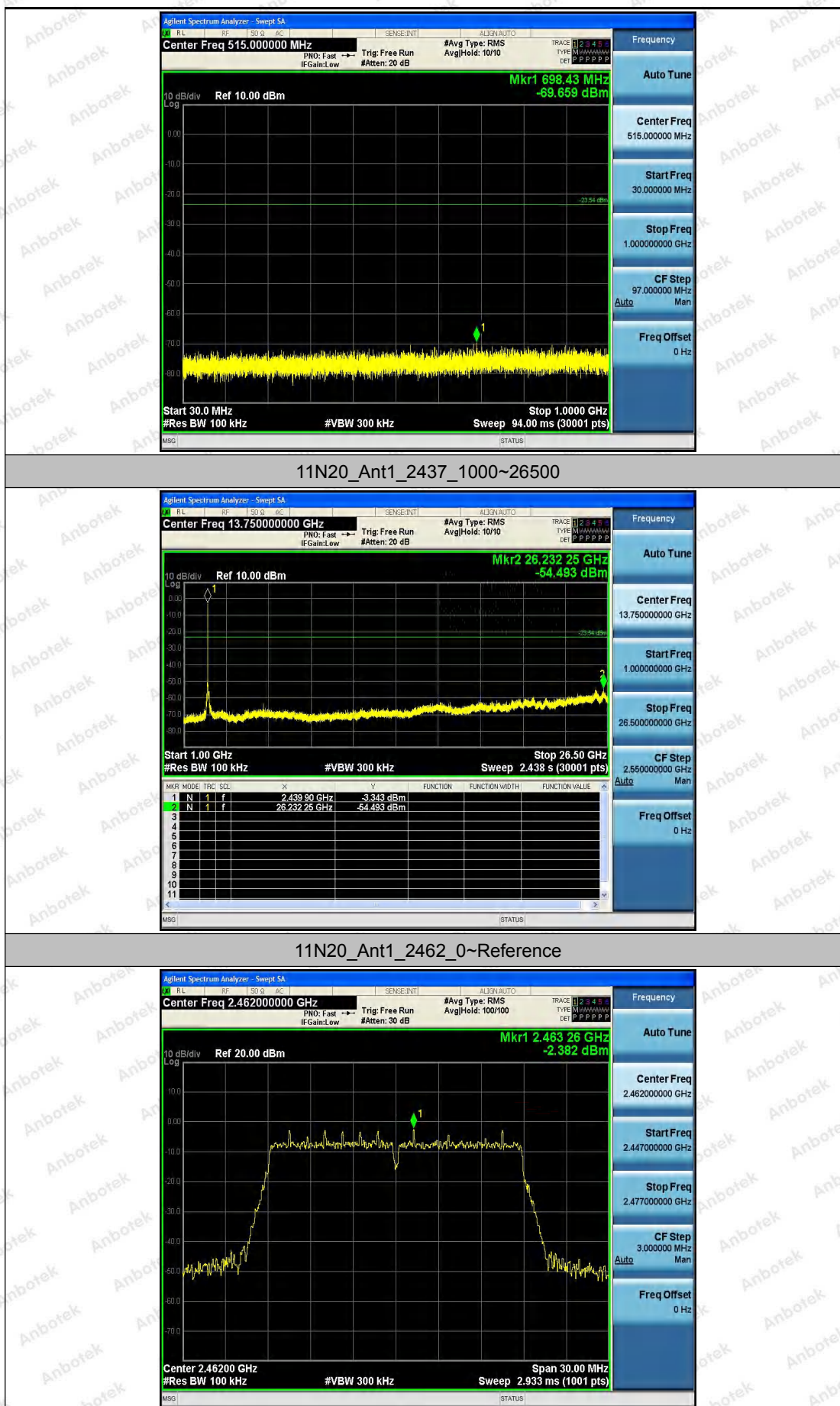
11N20_Ant1_2437_30~1000

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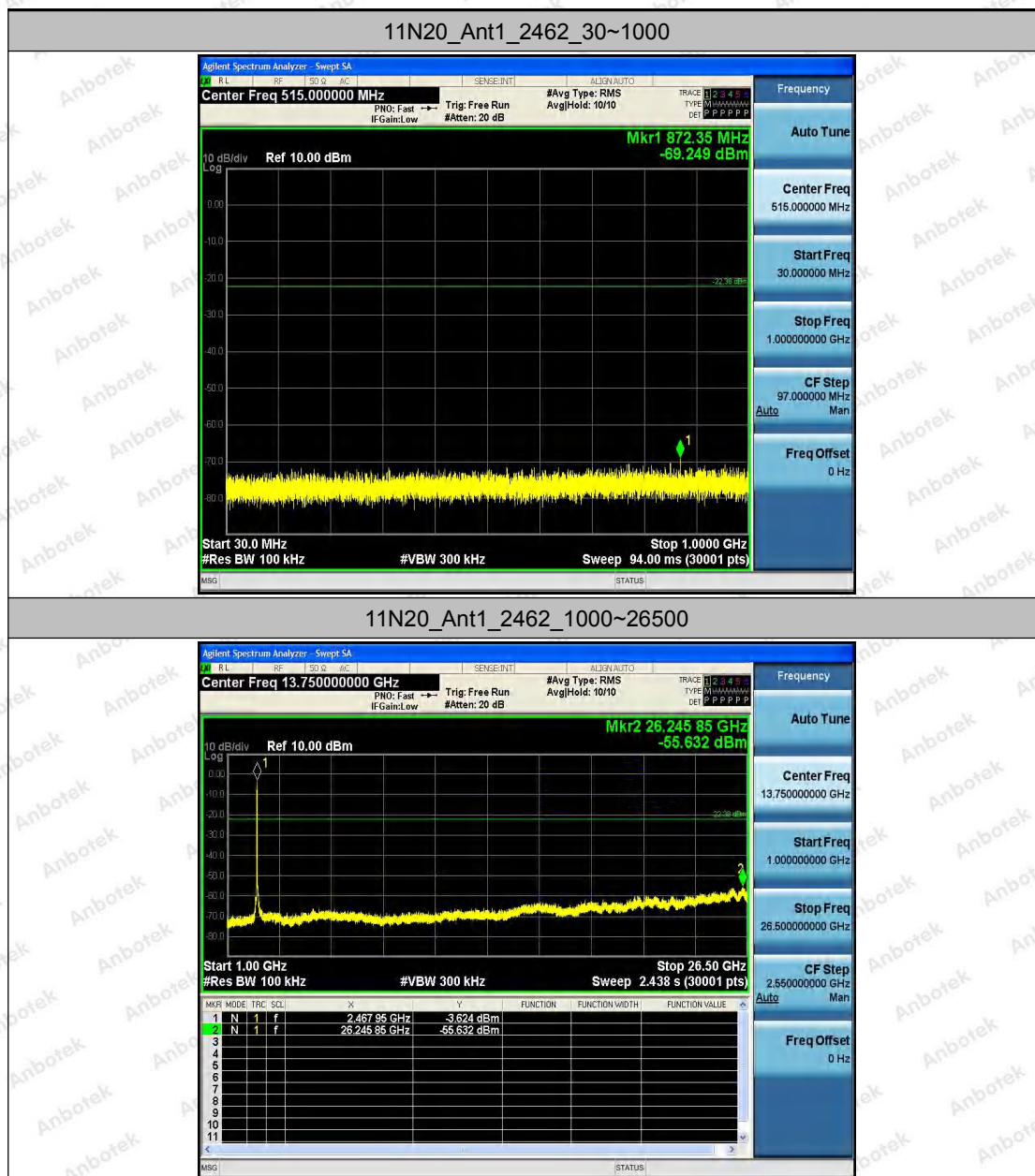


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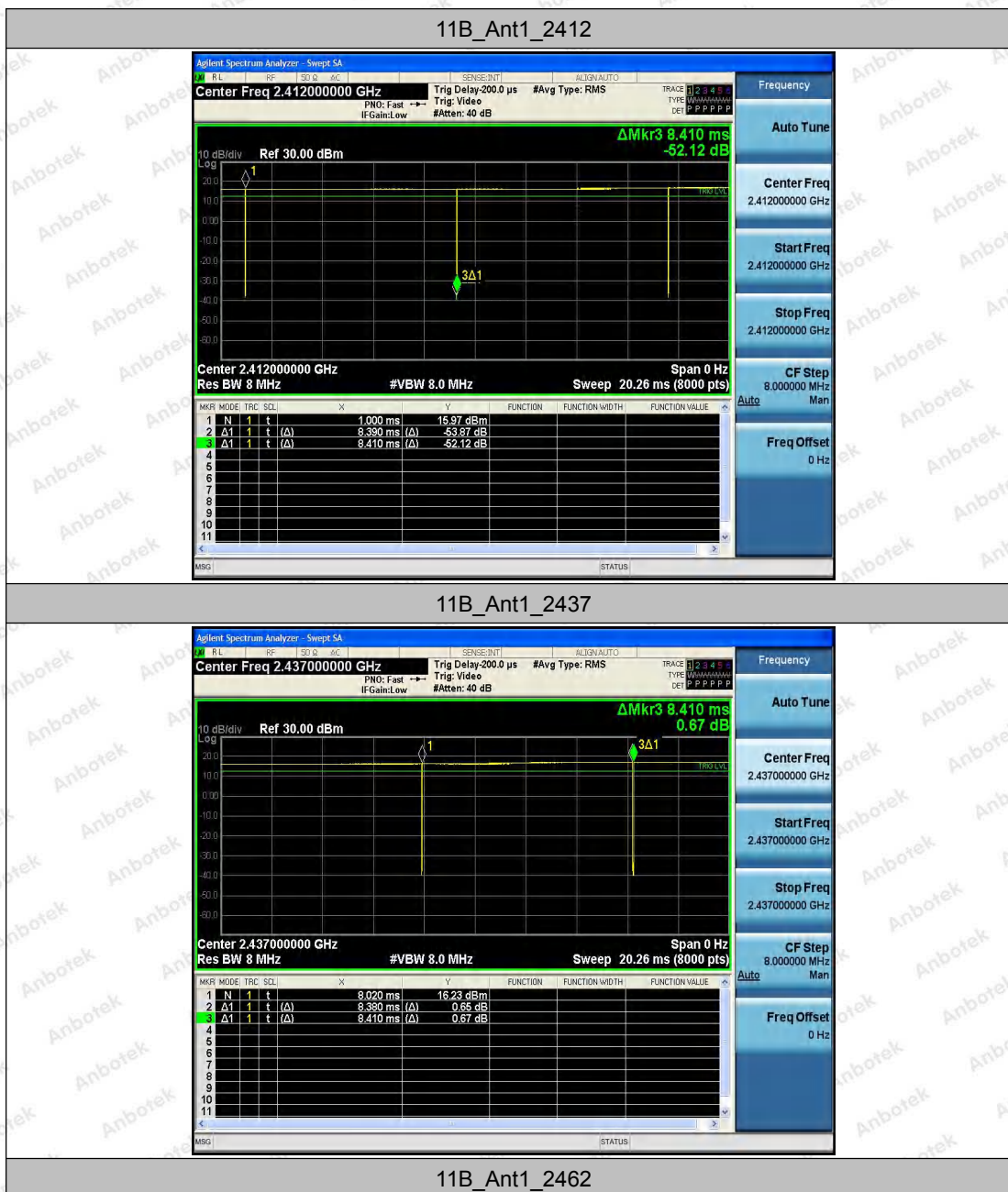
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.39	8.41	99.76	---	PASS
		2437	8.38	8.41	99.64	---	PASS
		2462	8.39	8.41	99.76	---	PASS
11G	Ant1	2412	1.39	1.43	97.20	---	PASS
		2437	1.40	1.43	97.90	---	PASS
		2462	1.40	1.43	97.90	---	PASS
11N20	Ant1	2412	1.30	1.34	97.01	---	PASS
		2437	1.30	1.33	97.74	---	PASS
		2462	1.30	1.33	97.74	---	PASS

Test Graphs

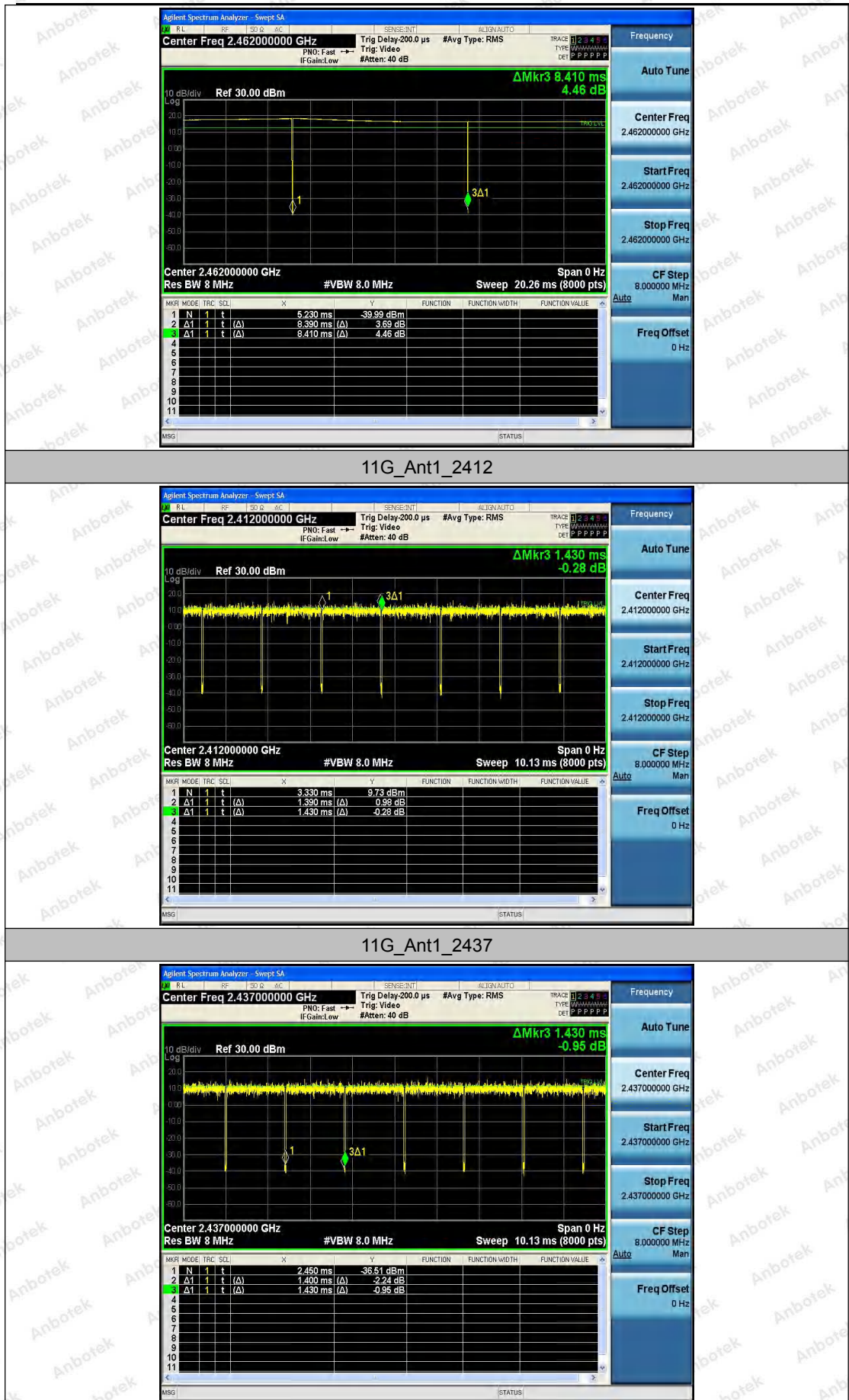


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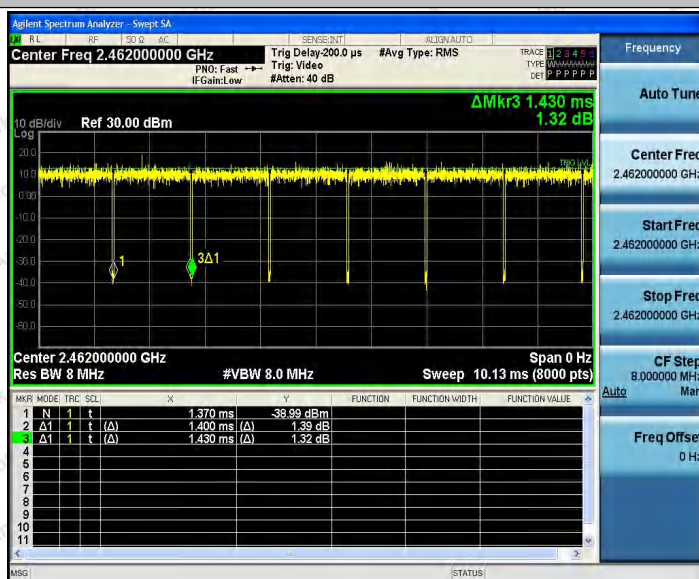
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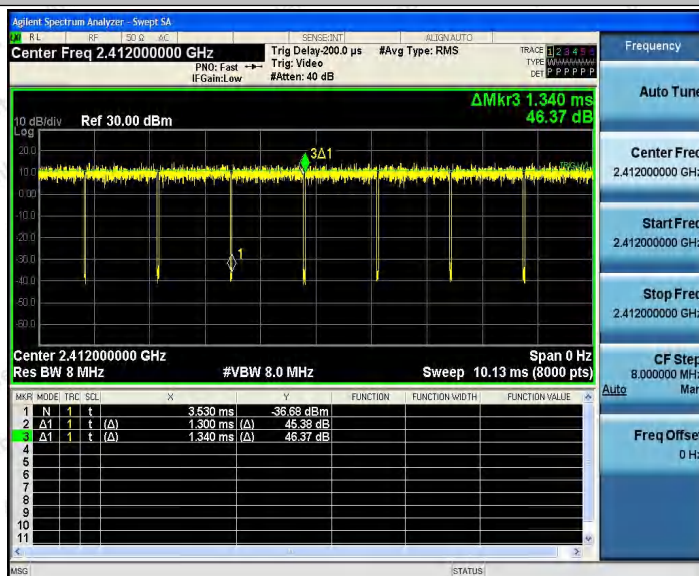
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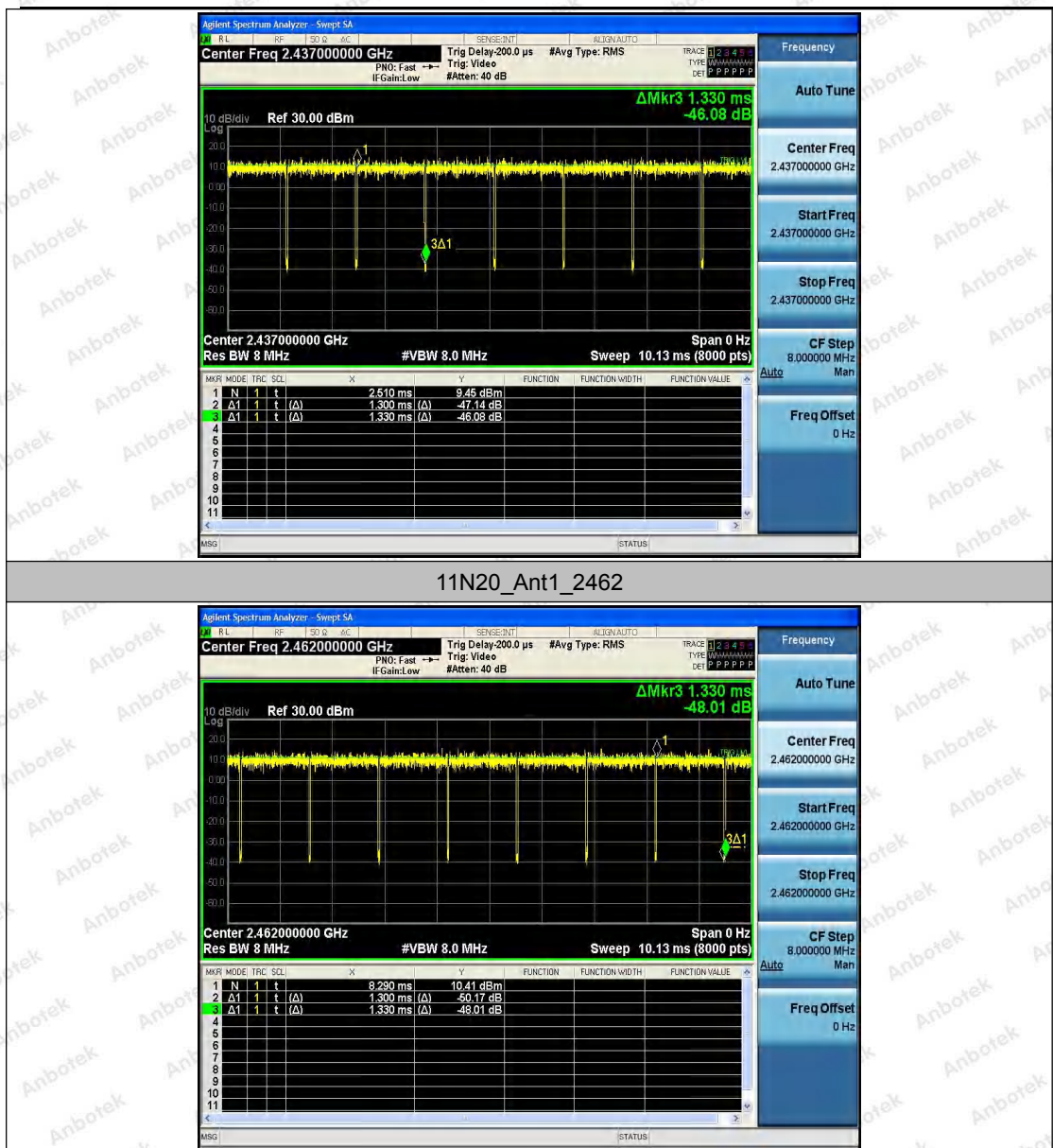
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